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**Product Name :**  
Room Temperature Control

**Product Code :**  
LBNY-0005-127000101



#### **Description :**

Investigation of a temperature control loop  
Power controller as actuator  
Parameterisable digital industrial controller  
2 metal plates with differing thermal conductivities for disturbance generation  
Thermocouple type K as temperature sensor  
Soldering iron as controlled system  
Transducer for thermocouple with digital temperature display  
Bar display for manipulating variable  
Control loop components on panels allowing for variation in installation in frame.

#### **Technical Specification :**

Soldering iron power output: 16W  
Controller  
Output signals: 0...20mA  
Input signals: 0/4...20mA and 0...10V  
2-point controller  
Parameterisable as  
P, PI or PID controller  
Thermocouple and transducer  
Output signal: 0...10VDC  
Measuring range: 0...400°C  
Power controller

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Input signal: 0...20mA  
Output power: 0...16W.



**Laboratory Instrument India**